

## PERFORMANCE BENCHMARKS

### 404.03B - Aerial Apparatus Serpentine Maneuver

Discipline: Driver/Operator

Effective: 12/5/2010

Revised:

Replaces:

*Anne Huff, Fire Chief*

#### I. Objective

The Driver/Operator, given a fire department aerial apparatus and spotter, shall demonstrate a serpentine maneuver.

#### II. Instructions- Procedures for Achieving the Objective

Given an aerial apparatus and a spotter for backing, the Driver/Operator shall maneuver a vehicle around obstructions on a roadway while moving forward, and then in reverse, so that the vehicle is maneuvered through the obstructions without stopping to change the direction of travel and without striking the obstructions.

#### III. Examiner's Note

This exercise measures a driver's ability to steer the apparatus in close limits without stopping. The exercise should be conducted with the apparatus moving first backward, then forward. The course or path of travel for this exercise can be established by placing a minimum of three markers, each spaced between 45 ft. and 50 ft. apart, in a line. The spacing of the markers should be based on the wheel base of the vehicle used. Adequate space must be provided on each side of the markers for the apparatus to move freely. The driver should drive the apparatus along the left side of the markers in a straight line and stop just beyond the last marker. The driver should then begin the exercise by backing the apparatus between the markers by passing to the left of marker #1, to the right of marker #2, and to the left of marker #3. At this point, the driver should stop the vehicle and then drive it forward between the markers by passing to the right of marker #3, to the left of marker #2, and to the right of marker #1.

#### IV. Preparation & Equipment

- A. Fire department aerial apparatus
- B. Spotter
- C. Traffic cones

#### V. Reference Sources

- A. IFSTA, Aerial Apparatus Driver/Operator Handbook, 2<sup>nd</sup> Edition
- B. NFPA 1002, 1.4.1, 1.4.3, 4.3.1, 4.3.6, 7.1

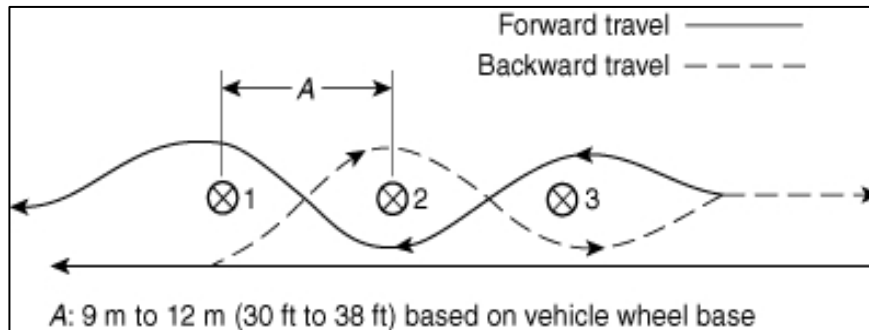
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Discipline: D/O

Name:		Officer#:	
Evaluator:		Officer#:	
Date:	Unit:	Location:	

**The Driver/Operator:** *(No partial points given)*

- A. Makes a 360-degree visual inspection around the apparatus.....3.0 \_\_\_\_\_
- B. Uses handrails to enter and exit the apparatus.....1.0 \_\_\_\_\_
- C. Wears seatbelt..... **P/F** \_\_\_\_\_
- D. Ensures no firefighters were in a standing position anywhere on the apparatus..... **P/F** \_\_\_\_\_
- E. Checks mirror positions before moving.....2.0 \_\_\_\_\_
- F. Maneuvers the vehicle around obstructions on the roadway while moving forward.....5.0 \_\_\_\_\_
- G. Maneuvers the vehicle around obstructions on the roadway while moving backwards.....5.0 \_\_\_\_\_
- H. Does not stop during the process of traveling backward or while traveling forward *(Deduct 1 point per occurrence)*.....1.0 \_\_\_\_\_
- I. Does not strike an obstruction.....**P/F** \_\_\_\_\_
- J. Correctly uses mirrors.....1.0 \_\_\_\_\_
- K. Accurately judges vehicle clearance.....1.0 \_\_\_\_\_
- L. Completes skill without dry steering (dry steering is turning the steering wheel while not in motion) *(Deduct 1 point per occurrence)*.....1.0 \_\_\_\_\_
- M. Performs entire operation safely.....**P/F** \_\_\_\_\_



**A: 45 – 50 feet Depending on Wheelbase of the Aerial Apparatus**

Points Possible	Passing Score	Attempt	Performance Rating (Points)	PASS	FAIL
<b>20</b>	<b>15</b>	First			
		Second			
		Third			